

AMENDMENTS TO THE CLAIMS:

Please **amend** Claim 1 as indicated below.

Please **cancel** non-elected claims 2-9, without prejudice to or disclaimer of the subject matter contained therein.

Please **add** new Claims 10-15 as indicated below.

1. (Currently amended) A substantially purified nucleic acid molecule that encodes a cotton protein or fragment thereof comprising a nucleic acid sequence ~~selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO: 24076.~~

Claims 2-9 (Cancelled)

10. (New) A substantially purified nucleic acid molecule, wherein said nucleic acid molecule comprises a nucleic acid sequence of SEQ ID NO: 1 or a complement thereof.

11. (New) The substantially purified nucleic acid molecule according to claim 10, wherein said substantially purified nucleic acid molecule consists of a nucleic acid sequence of SEQ ID NO: 1 or a complement thereof.

12. (New) A substantially purified nucleic acid molecule, wherein said nucleic acid molecule comprises a nucleic acid sequence having between 90% and 100% identity to a nucleic acid sequence of SEQ ID NO: 1 or complement thereof.

13. (New) The substantially purified nucleic acid molecule according to claim 12, wherein said nucleic acid molecule comprises a nucleic acid sequence having between 95% and 100% identity to a nucleic acid sequence of SEQ ID NO: 1 or complement thereof.

14. (New) The substantially purified nucleic acid molecule according to claim 13, wherein said nucleic acid molecule comprises a nucleic acid sequence having

15. (New) The substantially purified nucleic acid molecule according to claim 14, wherein said nucleic acid molecule comprises a nucleic acid sequence having between 99% and 100% identity to a nucleic acid sequence of SEQ ID NO: 1 or complement thereof.